User Manual

V1100 1-Channel Video Server

- CONTENT -

Safety Instruction

➢ Before you use this product

This product has been designed with safety in mind. However, the electrical products can cause fires which may lead to serious body injury if not used properly. To avoid such accidents, be sure to heed the following.

➢ Legal Caution

Video and audio surveillance can be forbidden by laws that vary from country to country. Check the laws in your local region before using this product for surveillance purposes.

➢ Don't open the housing of the product

Don't try to open the housing or remove the covers which may expose yourself to dangerous voltage or other hazards.

➢ Don't use the accessories not recommend by the manufacturer

➢ Heed the safety precautions

Be sure to follow the general safety precautions and the "Operation Notice."

➢ Operation Notice - Operating or storage location

Avoid operating or storing the Video Server in the following locations:

- Extremely hot or cold places
  (Operating temperature: 0 ℃ to + 50 ℃ [32 ℉ to 122℉])
- Exposed to direct sunlight for a long time, or close to heating equipment (e.g., near heaters)
- Close to water (e.g.,near a bathtub, kitchen sink, laundry tub)
- Close to sources of strong magnetism
- Close to sources of powerful electromagnetic radiation, such as radios or TV transmitters
- Locations subject to strong vibration or shock

➢ **In case of a breakdown**

In case of system breakdown, discontinue use and contact your authorized dealer.

➢ **In case of abnormal operation**

- If the unit emits smoke or an unusual smell,
- If water or other foreign objects enter the cabinet, or
- If you drop the unit or damage the cabinet:1 Disconnect the cable and the connecting cables. 2 Contact your authorized dealer or the store where you purchased the product.

➢ **Transportation**

When transporting the Video Server, repack it as originally packed at the factory or in materials of equal quality.

➢ **Ventilation**

To prevent heat buildup, do not block air circulation around the device.

➢ **Cleaning**

- Use a soft, dry cloth to clean the external surfaces of the device. Stubborn stains can be removed using a soft cloth dampened with a small quantity of detergent solution, then wipe dry.
- Do not use volatile solvents such as alcohol, benzene or thinners as they may damage the surface.

Minimum System Requirement & Product Feature

System Requirement

For normal operation and viewing of the Video Server, it's recommended that your system meet these minimum requirements for proper operation:

Item	Requirements
CPU	Minimum Intel® Core 2 Duo or higher (Core i3 or above is recommended)
Graphic Card	256 MB RAM graphic cards (or equivalent on-board graphic cards)
RAM	Minimum 1 GB of RAM,(2GB or above is recommended)
Operating System	Window 2000, 2003, XP, Vista or Windows 7 Mac OS Leopard 10.5
Web Browser	Internet Explore 6 or later

Note:

1. If using Windows 98 or Windows ME, please install IP Installer before using WEB UI to ensure the system runs normally.

2. If not able to view the recorded video file, please install Xvid codec while installing Intelligent IP Installer. (For Windows 98, ME or 2000 server, the codec might not work properly. Please download Xvid codec 1.0 from the internet.)

3. Please always updating the latest Windows software and service package. (Ex: Net Framework, Windows Media Player, Enhance ActiveX Security)

ZAVIO

Product Feature

SYSTEM	
Resolutions	NTSC: 704x480 PAL: 704x576
Compressing format	H.264 / MPEG-4 / Motion JPEG
Max Frame Rate	30fps (NTSC) 25fps (PAL)
Image settings	Rotation: Mirror, Flip, Mirror Flip
	Brightness / Contrast / Saturation / Hue
	Overlay capabilities: time, date, text and privacy image
Image snapshot	Yes
Video Recording	Yes
Full Screen Viewing	Yes
Digital Zoom	10x digital
Audio	Two-way (full / half duplex) with built-in microphone
	Audio compression: G.711 µ law, a law, and AMR
Mobile Phone Live View	Through 2.5 WAP
Alarm Sending	FTP Client / SMTP / Network Storage/ SD Card / HTTP Event
Security	Password Protection / HTTPS encryption / IP Filter
Alarm Buffer	Input: alarm buffer, motion detection, audio detection Output: network storage, FTP, SMTP, Pre-and post alarm buffer
Supported protocols	Bonjour, TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, RTCP, HTTP, TCP, UDP, 3GPP/ISMA RTSP
Simultaneous Connection	Up to 10 users
Operating conditions	0℃ ~ 50 ℃ (32℉ ~ 122 ℉)

ZAVIO

Main Page
Toolbar of Main Page

Icon	Function Instruction
Home	Click this tab to return to the page of live view.
Setting	Click this tab leads to set up all the configuration.
Information	This tab indicates the usage information for all function.
Pause	Click this tab to hold the current video stream for a moment.
Stop	Click this tab could stop the video being displaying.
Record	This tab is used to record the current video stream，it turns red when starting to record.The video would be filed by the current date and can be saved at anywhere you want to place.
Snapshot	This tab is used to take a snapshot of the current image. The image can be saved at anywhere you want to place .
Sound	This is listen tab，click on it switches to the mute mode. Use the slider to control the volume.
Talk	This is talk tab，click on it switches to the mute mode. Use the slider to control the volume.
Zoom	Click this tab to adjust the digital zoom range.
Fullscreen	Click this tab to stretch the view to the entire screen. Press the ESC on the computer
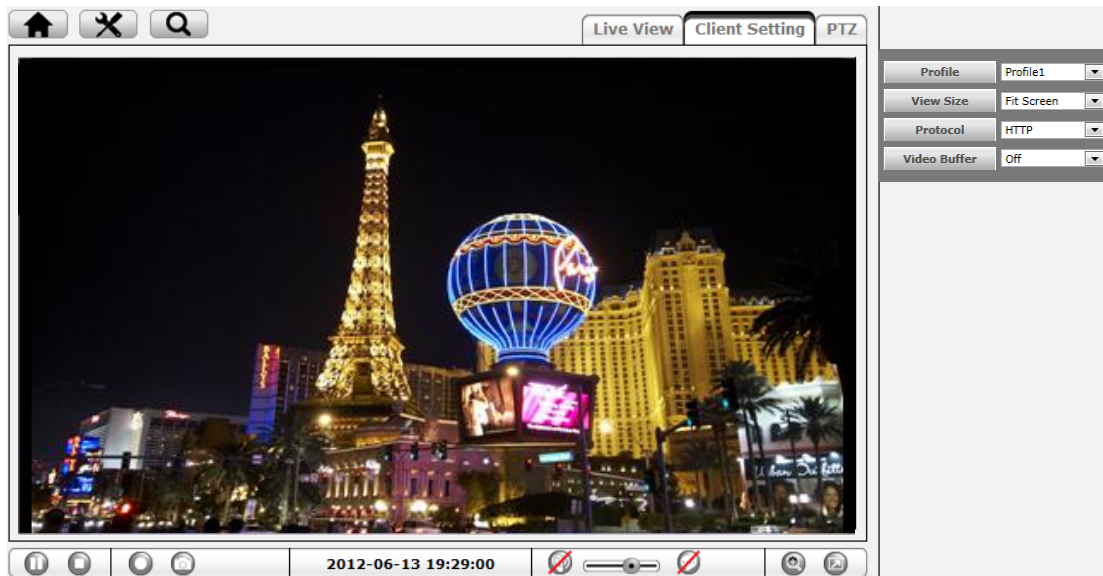
Client Setting	
Profile	Click the drop-down menu to choose video compression mode of Live View among H.264, MPEG-4, MJPEG and 3GPP. Note: As long as the operating system is not able to afford loading under H.264 mode, please downgrade the mode to MPEG-4 or MJPEG.
View Size	Select the desired view size of image resolution between Fit Screen and Full Screen.
Protocol	Select the transferring protocol among TCP, UDP, and HTTP.
Video Buffer	Turn the Video Buffer function On / Off. The Video Buffer function makes the streaming more smoothly in unsteady network environment, but might cause a little delay in live view.

ZAVIO

PTZ	
	Click the Home button and it brings you back to the center no matter what position you are at.
	Move the camera view to the direction that the various arrows you click on.
Preset	Use the various direction arrows to steer the camera view to the required position, and name it for the specified position.
Patrol	Before starting this function, it requires to specify Guard tour settings in the Setting.
Zoom	Click & to adjust the digital zoom range.
Focus	Click to turn on the manual focus mode and then click & to control far and near focus.
Iris	Click to turn on the manual iris mode and then click & to adjust the aperture.
OSD Control	Click , the Speed Dome OSD menu will be show up on the live view screen, then click Up/ Down/ Left/ Right to customize your interface.

Basic Setup

Account

<u>Account List</u>

The device default account and password setting is "admin / admin". That means everyone who knows IP address can access the device including all configuration. It is necessary to create a new password if the device is intended to be accessed by specific ones.

Click "Add" to create the accounts to the specific users. There are 1 default account and 9 accounts that you may assign 3 different viewer modes as you wish. The instruction of 3 viewer modes listed as below:
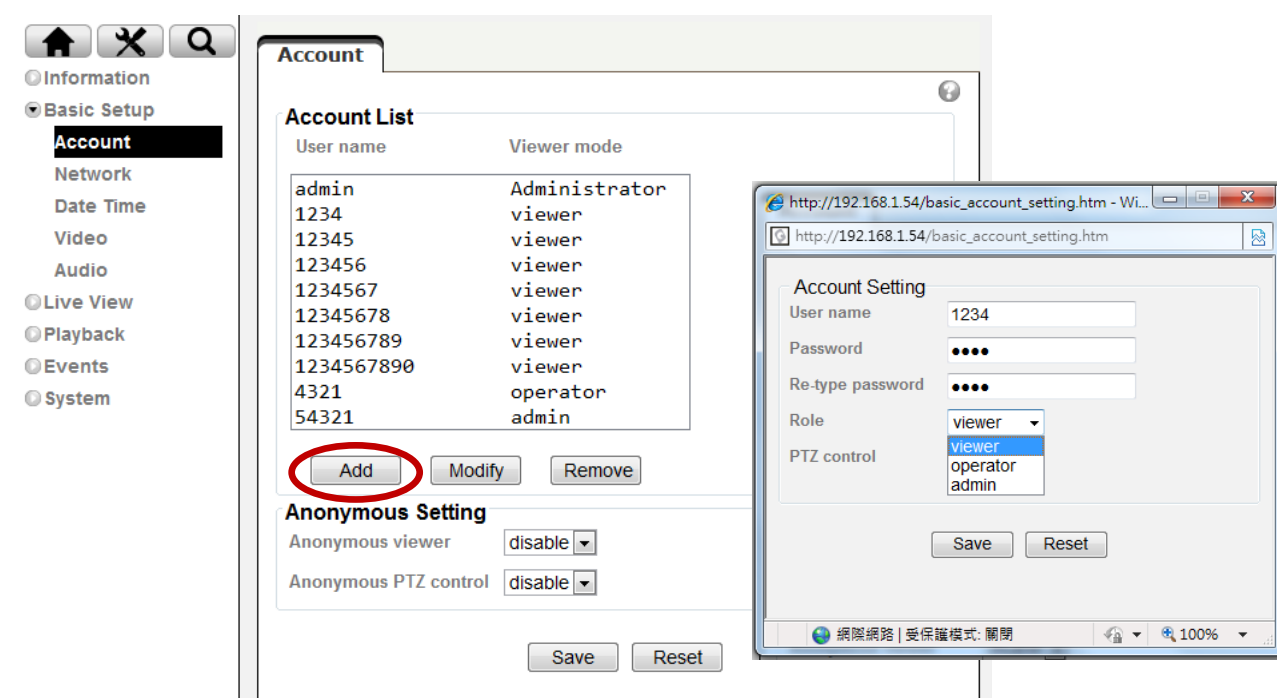
Viewer	It only allows the user to access to the Live View page.
Operator	It allows to view the Live View page, create and modify events, and adjust certain other settings.
Administrator	It allows the user to watch the live view and access all configurations.

<u>Anonymous Setting</u>

There is a drop-down menu for both "Anonymous viewer" and "Anonymous PTZ control" to disable or enable the function.

Network

TCP/IP

Internet Protocol Version 4 (TCP/IPv4)

Obtain an IP address automatically (DHCP): If a DHCP server is installed on the network, to select this while the IP address is assigned by the DHCP server.

Obtain DNS server address automatically: Select this to obtain the address of DNS server automatically.

Use the following IP address: Select this option when the fixed IP address is set.
- IP address: Enter the IP address of the device.
- Subnet mask: Enter the subnet mask.
- Default gateway: Enter the default gateway.

Use the following DNS server address: Select this when you set the fixed address as the IP address of DNS server.
- Primary DNS server: Enter the IP address of the primary DNS server.
- Secondary DNS server: Enter the IP address of the secondary DNS server, if necessary.

HTTP

HTTP port number: Select **80** in general situations. If you want to use a port number other than **80**, select the text box and enter a port number between 1024 and 65535.
- When you have set the HTTP port number to a number other than 80 on the Network Setting screen in the Setup Program, access the device by typing the IP address of the device on the web browser as follows: Example: when HTTP port number is set to 2000 http://192.168.1.100:2000/

Note: Reboot the video server after the network setting has been made.

PPPoE

If your ISP provides Dynamic IP with authentication by username and password, type all PPPoE information in this part. When using the PPPoE function, you need to turn on the DDNS or IP Notification function at the same time.

IP address: The IP address obtained at the PPPoE connecting with network.

User ID: Enter the user ID for authentication necessary for PPPoE connections. Type it up to 64 characters.

Password: Enter the password for authentication necessary for PPPoE connections. Type it up to 32 characters.

Re-type password: Re-type the password to confirm.

Obtain DNS server address automatically: Select this to obtain the address of DNS server automatically.

Use the following DNS server address: Select this when you set the fixed address as the IP address of DNS server.

●   Primary DNS server: Enter the IP address of the primary DNS server.

●   Secondary DNS server: Enter the IP address of the secondary DNS server.

Note :

1. PPPoE (Point-to-Point Protocol over Ethernet): PPPoE is a network protocol for encapsulating Point-to-Point Protocol frames insider Ethernet frames. PPPoE connection is used mainly with ADSL service where individual users connect to the ADSL transceiver (modem) over Ethernet work. It also widely used in XDSL (digital affiliate line such as ADSL, VDSL or SDSL)

2. Reboot the Video Server after the network setting has been made.

3. The Video Server with Intelligent IP Installer can't be founded after turning on the PPPoE and reboot.

Date Time

<u>Current Date / Time</u>

It displays current time and date of Video Server and PC that you connected, and you may select the Date/Time format as you wish in the drop-down menu.

Note: If you would like the Date / Time information shows on the Live View screen, please check "Basic Setup →Video →Overlay → Overlay Type → Time Stamp" and save the setting.

<u>Synchronization Method</u>

- **Keep current setting:** Select this mode to keep the current date and time of this Video Server device.
- **Synchronize with Client PC:** Select this mode to keep the date and time of this Video Server is the same as the monitoring PC.
- **Manual setting:** Select this mode to adjust manually the date and time of this Video Server.
- **Synchronize with NTP:** Specify the NTP server name and click "Update now" to synchronize the date and time of this Video Server with those of the time server, known as the NTP server.

<u>Time Zone</u>

Time Zone: Select the Time Zone format of Greenwich Mean Time among different cities. The time display will be the same as the current date / time option.

Daylight Saving Time: There are two modes to choose for setting up daylight saving time.

- **By Date**: Set the start and end time by select month, day, hour, and minute.
- **By Week Number**: Set the start and end time by select month, week, hour, and minute.

Note: The NTP server (Network Time Protocol) is the time server which is an Internet standard protocol built on the top of TCP / IP. This assures accurate synchronization to the millisecond of computer clock times in a network of computers.

Video

Video Setting

Image

Video clip format: Select **RECORDING compression format** H.264、MPEG-4、MJPEG、3GPP .

- **Profile1 (H.264):** H.264 provides higher compression rate than MPEG-4. Thus, H.264 can decrease the bandwidth usage and further apply on 3G. However, H.264 will occupy more system resources than MPEG-4. As long as the operating system appears operating difficulties under H.264 format, please change to select MPEG-4.

- **Profile2 (MPEG-4):** MPEG-4 has the advantage of sending a lower volume of date per time unit across the network (bit-rate) compared to Motion JPEG and therefore provides a relatively high image quality at a lower bit-rate (bandwidth usage).

- **Profile3 (MJPEG):** Motion JPEG stream uses considerable amounts of bandwidth, but provides excellent image quality and access to every image contained in the stream.

- **Profile4 (3GPP):** 3GPP has provided the mobile viewing.

Overlay

Text information can be showed on the display screen, such as Date/ Time and the user-defined title.
Note: Overlay under 176x144 resolution of PAL mode does not be supported.

Privacy Mask

Privacy Mask is an area of solid color that bans users from viewing part of monitored area.
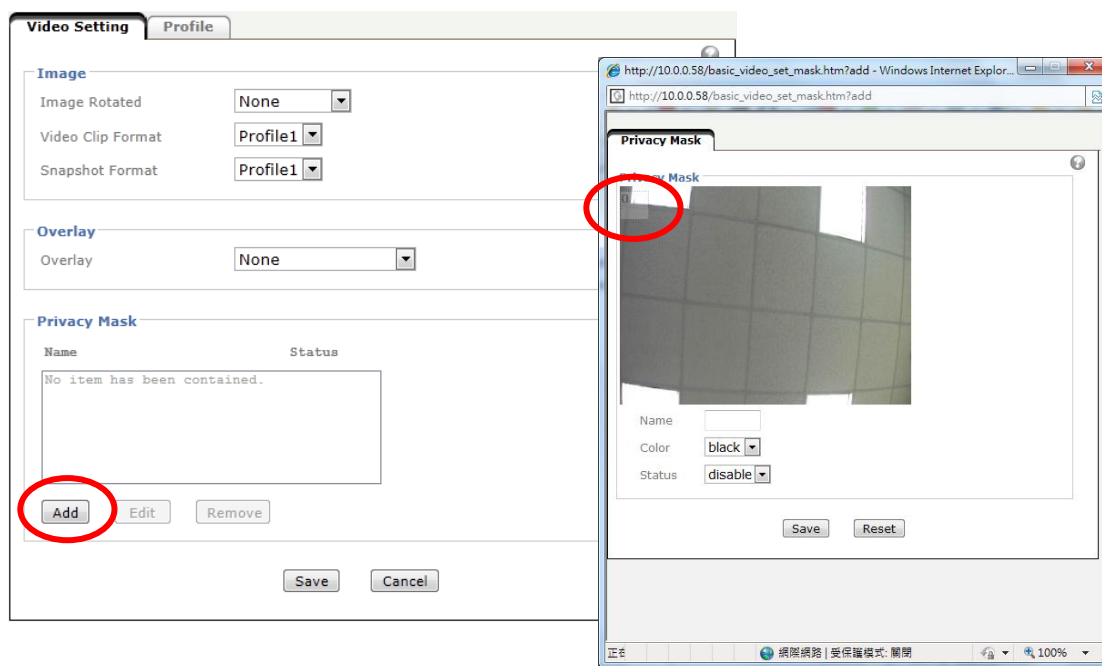
Click "Add" and a setting pop-up window comes out. A translucent rectangle is located at up left of the image, drag it to where you wish to cover and resize it. Enter a descriptive name, select the color and enable it then save.

Profile

There are four stream profiles available for quick set-up. These settings can be adjusted, click the profile you appoint to modify and click "Edit" to do the further setting. Each profile has a descriptive name, describing its usage and/or purpose. The profiles can be selected from the Live View page.

Audio

Audio Setting

<u>**Audio Channel**</u>
- **Full duplex:** Select it for simultaneous communication in both direction between the connected administrator and Video Server. It means both parties can speak and be heard at the same time.
- **Half duplex:** Select it for communication in both directions, but only one direction at a time. It cannot receive signal until the transmission has been done. Therefore, once one party speaks but can't hear the voice, and vice versa.
- **Talk only:** It narrows down to one way just for talking.
- **Listen only**: It narrows down to one way just for listening.

<u>Audio Input</u>

Select the microphone input gain value you wish in the drop-down menu, and based on your region to select the proper codec and save all settings.

- **G.711 U-law :** one codec for "Computer Audio", used in North America & Japan areas.
- **G.711 A-law :** another codec for "Computer Audio", used in Europe and the rest of the world.
- **AMR Audio:** an audio codec of the third generation communication for mobile phone. While the option selected, your mobile phone will receive the audio file from Video Server. And you can choose the bit rate from 4.75k to 12.2k. However, the usage of this codec will cause frame-rate decreasing.
- **Off:** audio file won't be transmitted by Video Server.

<u>Audio Output</u>

Select the speaker output gain value you wish in the drop-down menu and save it.

Live View

Video

Please refer to p.13~14

Audio

Please refer to p.14~15

Camera Setting

Image Setting

<u>Image Enhancement</u>

- **Brightness**: The image brightness can be adjusted in the range 0-100, the higher value produces a brighter image.
- **Saturation**: Adjust the saturation in the range 0-100, the higher value gets more colorful image.
- **Contrast**: Adjust the image's contrast by raising or lowering the value in the range 0-100.
- **Hue**: Hue is one of the three main attributes of perceived color, affected by different wavelength of color. With higher value of hue, color will be much more vivid.

PTZ Setting

Patrol Setting

You may set the speed of digital pan/tilt/zoom, and also speed for preset/patrol. The range goes 1-100(slow to fast).

<u>Control Panel</u>

This can be set up the selected view area in every profile. Besides the viewing window there is a PTZ control panel to go to the direction you want.

<u>Preset Position</u>

In this section, up to 128 Pan / Tilt and Zoom positions can be saved, as well as the home position, which the device faces to when the power is turned on. Name your every position and give it a ranged number(1~128) as an address, then click "add", you can click "go" to make sure if the preset position has been written in.

<u>Guard Tour</u>

Click "add" , name the tour first then add in the preset position you desired to form the tour. You can manually set the PTZ speed and the interval time.

PTZ Control

<u>Speed Control</u>

- **Pan Speed:** Use it to move bar from 0 to 100.
- **Tilt Speed:** Use it to move bar from 0 to 100.
- **Auto Pan Speed:** Use it to move bar from 0 to 100.
- **Zoom Speed:** Use it to move bar from 0 to 100.
- **Focus speed:** Use it to move bar from 0 to 100.

<u>RS-485 Setting</u>

- **Protocol**: Include Pelcop, Pelcod, Dynacolor, and Vtrec.
  Note: If those Protocols aren't supported by the device, please select "Custom" then click "Custom Command" to customize the parameters via this page.
- **Custom Command**
  Custom Command Guard Tour Setting: Up to 10 custom commands are provided to setup functions which are highly used.
- **Baud rate**: Include 9600, 4800, 2400 and 1200.
- **Address**: Type it from 0 to 128.
- **Focus:** User may turn the focus from "Auto" to "Manual".
- **Iris:** User may turn the iris from "Auto" to "Manual".

Playback

Client PC

This is for uploading the recorded file saved in the PC and play back to see the video.
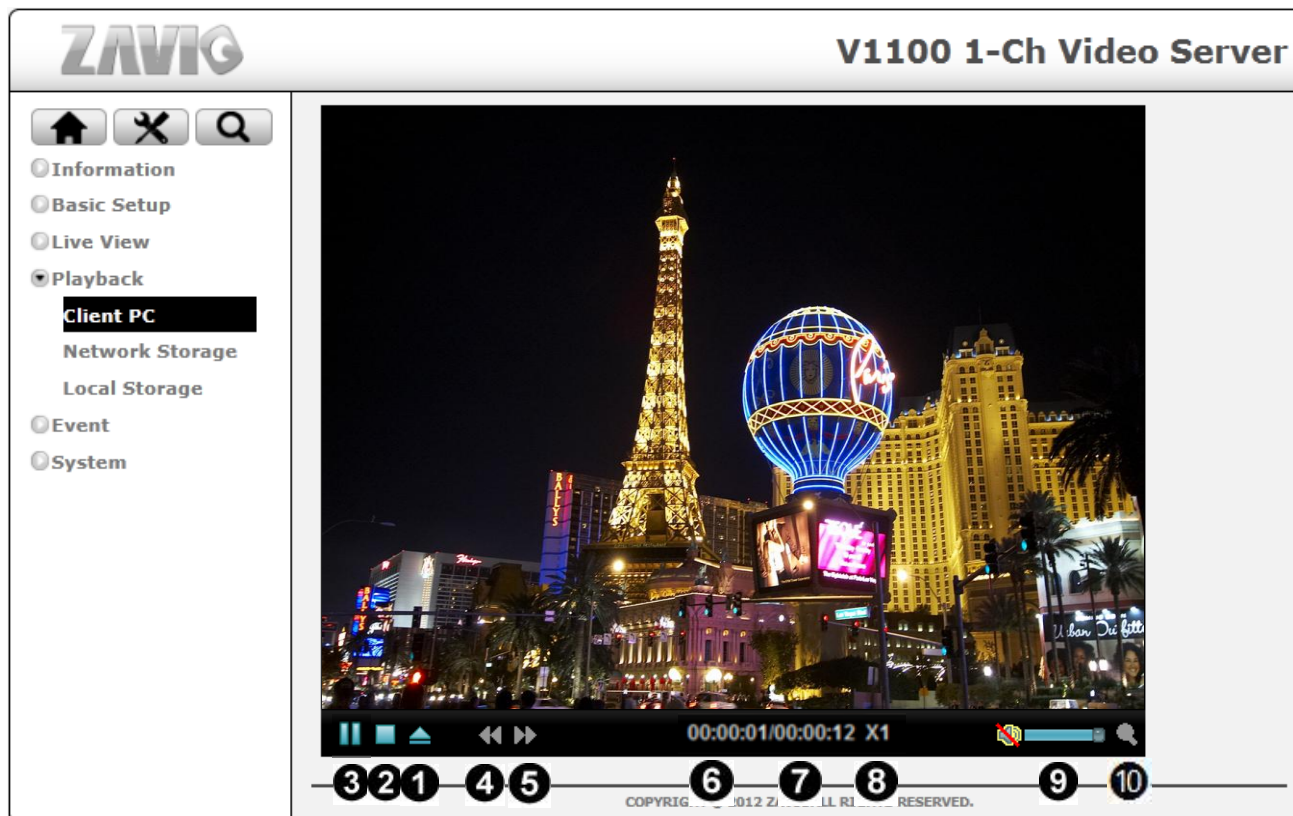
❶	Click it to upload the recorded file in the PC
❷	Click it to stop the current video
❸	Click it to pause the playing video
❹	Click it to slow down the playing speed
❺	Click it to speed up the playing speed
❻	It displays the current playing video length
❼	It displays the whole video length
❽	It displays the current video speed
❾	Click it to adjust the volume of video and mute
❿	Click it to make digital zoom

Network Storage

Network storage provides the storage function for saving image files to the specified computer and folder connected with the operating computer.

Before using this function you must go to Event Server in Event to configure all settings and make the recording file saved here.

Local Storage

Memory card provides local storage function for saving image files to the specified SD card in the device. This function can be enabled only when you insert SD card to the Video Server and the SD/SDHC card works well.

Before using this function you must go to SD card in Event to configure all settings and make the recording file saved here.

Event

Event Server

Event Server

Click "Add" to create a event server then the setting page pops up. Name it, select your network type put on the storage location. This is optional to create the password for certain group to use it. Then click the "Test" button to see if it works, it will show the information on the pop-up window to see your setting if has been made successfully.

3 types of event transmission offered to select. There is a range 0~7 seconds can be selected individually for pre-event and post-event. 3 suffix options for naming image file by **Name**, **Date Time** and **Sequential Number.**
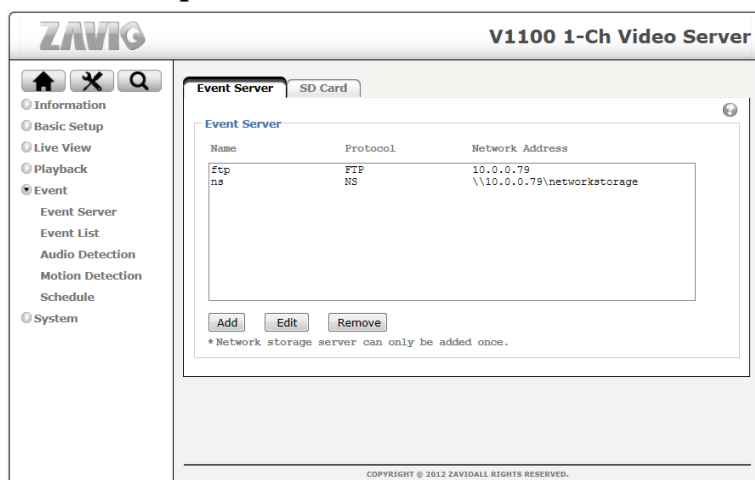
SD Card

Make sure to insert the SD Card first then click "on". Create a folder name for event server in SD Card. Optional selection for overwrite the previous file or not, if not, you may set a warning when the capacity below the following percentage:5%, 10%, 25% and 50%.

Event List

Event List

General

Name the event file and make it on or off.

Trigger

You may activate the following trigger types as you wish depends on various conditions:

- **Motion Detection**: Click it on for using Motion Detection function as a sensor. You must configure motion detection function before taking this as the trigger. Set minimum time interval between 2 triggers, and choose the desired detection area. The detection type individually stands for the following meanings:
  Start: The trigger would be activated when the target object starts to move.
  Stop: The trigger would be activated when the target object stops to move.
  Start-Stop: The trigger would be activated during the target object starts to move till it stops.
- **Audio Detection**: Click it on for using Audio Detection function as a sensor. You must configure audio detection function before taking this as the trigger. Set minimum time interval between 2 triggers. The detection type stands for the following meanings individually:
  Start: The trigger would be activated when the sound being made.
  Stop: The trigger would be activated when the sound being cut off.
  Start-Stop: The trigger would be activated during the sound being made and cut off.
- **Digital Input:** This can be set to control the external alarm input of I/O port on the rear of the device to start the trigger.
- **Periodical**: This can be set the certain period (by minute) to start the trigger.
- **On boot**: The event is triggered when the device has been started over.
- **Capacity Warning**: This is triggered when SD Card capacity is be below the value you set.
- **Network Link Down**: The event is triggered when the network gets disconnected.
- **IP Notification**: The event is triggered when the network being restarted or the IP being changed. And there are optional network types to select, such as **DHCP**、**Static IP** and **PPPoE.**

<u>**Action**</u>

There are multiple choices for action taking which is optional for user to select all of them or part of them: **Send Image**、**Send Notification**、**Activate Digital Output**、**PTZ Action.**

- **Send Image:** You may set up where the image sent to, options like event server and SD card. You must configure it first, please refer to **Event Server**.
- **Send Notification:** Firstly got to HTTP server configure the HTTP server URL, port, User ID, Password, and Proxy server settings.
  Note: **The setting of URL should be the same as CGI.**
- **Activate Digital Output:** Start the external digital output device when the trigger is activated. You may set the time for continually action.
- **PTZ Action:** Firstly configure the PTZ to set up the preset positions and tour you desired. You may select to return to the last position after the event being triggered.

<u>**Schedule**</u>

You may set up the event schedule as "always" or scheduled by working day, weekend or night mode. You must configure schedule before using it.

Schedule Recording

<u>**General**</u>

Name the recording file and make it on or off.

<u>**Action**</u>

- **File Size**: You can manually write in the file size as the suggested range.
- **Cyclic Size**: You can manually write in the cyclic size as the suggested range.

<u>**Schedule**</u>

You may set up the event schedule as "always" or scheduled by working day, weekend or night mode. You must configure schedule before using it.

Audio Detection

Audio Detection

Select "on" if you want to activate the audio detection. The bar on the top of motion detection area is red when alarm is triggered.

- **Threshold:** Set alarm threshold for audio detection. The higher threshold is, the lesser detections can be triggered.
- **Sensitivity:** Set alarm sensitivity for audio detection. The higher sensitivity is, the more sensitive it gets.

Motion Detection

Motion Detection

Add the motion detection zone and name it, you can adjust the zone of detection with the mouse. There are 10 for detection zone at maximum. The bar on the top of motion detection area is red when the alarm is triggered.

- **Threshold:** Set the threshold of the alarm in the motion detection zone. The higher threshold is, lesser detections can be triggered.
- **Sensitivity:** Set the sensitivity for motion detection zone. The higher sensitivity is, the more sensitive it gets.

Schedule

The schedule is made for **Event List** to set the recording period. There are already 3 modes (**Working Day**、**Weekend** and **Night Mode**) has been set for user, there are 7 more modes are available to set manually.

System

Maintenance

Restart

Restart button is for reboot the Video Server digitally, you may reboot the device manually or automatically. Click "on" and shows two modes for user to reboot the device automatically. **Sequential Mode** offers the selection that how many days you would like to reboot, 7 days at most. **Schedule Mode** is able to select the certain day and time to reboot.

Backup / Restore

Default: Click this button to recover this Video Server to the factory default setting. A confirmation dialogue will appear and then click "OK" to execute. The network indicator on this Video Server will start to blink. This Video Server will reboot automatically after completing adjustments to the default setting. Don't turn off this Video Server until the device reboots. Furthermore, the **IP** and **Date Time** that are already set up can be fixed.

Backup: You can save the setting data of this Video Server into a file. Click "Save" and follow the instructions on the browser to save the setting data file to the location you specified.

Restore: Download the saved setting data of this Video Server. Click "Browse" and select saved file. Click "OK" and this Video Server is adjusted according to the loaded data and then restarted.

Firmware upgrade

Update the device software. Click "Browse" and select the file for updating. A confirmation dialogue will appear. Click "OK" to start. This Video Server will reboot upon completion.

Date Time

Please refer to p.12

Security

Account

Please refer to p.8

IP Address Filter

Once enabled it, the listed IP address are allowed or denied access to the product. Add the IP Address that you'd like to allow or deny and select allow or deny from the list and save it.

HPPTS

HTTPS is a URL scheme used to indicate a secure HTTP connection. It is syntactically identical to the http:// scheme normally used for accessing resources using HTTP. Using an https: //URL/ with a different default TCP port (443) and an additional encryption / authentication layer between the HTTP and TCP. You can use the Video Server through HTTPS easily by using https:// instead of http://.

- **Create & Install**: Create a self-signed certificate for HTTPS to recognize.
- **Installed Certificate**: Display or remove the properties of the installed certificate.
- **HTTPS Connection Policy**: Set HTTPS connection policy for different level of users.

To use the HTTPS encryption, please set up "**Create self-signed certificate**" for the first time you use the HTTPS function, and then set up the connection policy for different users.

Note: **When enable HTTPS with RTSP on mode, the Video Server only protect the setting such as username and password and do not protect video and audio. When enable HTTPS with RTSP off mode, the Video Server will protect all setting including video and audio.**

Network Basic

Please refer to p.9~11

Network Advanced

RTSP

<u>General</u>

RTP Port Range: The default value of port range is 5000 ~ 7999 and can be changed from 1124 to 65534.

RTSP Port: The default value is 554. If the Video Server connected with router and installed outside are over 2 sets and all of them need support RTSP, please fill the value in the blank space in the range from 1124 to 65534.

<u>RTSP Configuration</u>

Configure the RTSP by profile, then enable or disable the authentication.

<u>Multicast</u>

Status: This can be enabled or disabled the multicast.

Access Name: This will be shown and changed along with the profile you select.

Multicast Address: Specify the multicast server address.

Video / Audio Port: Specify the transmission port number of the video data, from 1124 to 65534.

Time to Live: Set the maximum TTL that multicast can pass through. The default value is 15.

UPnP

If you have a Router to access to internet and the Router supports UPnP IGD function, you need to turn on the UPnP Port Forwarding function.

● **HTTP port**: Enter the HTTP port number and default HTTP port is 80.

● **SSL port:** Enter the SSL port number and default SSL port is 443.

● **RTSP port:** Enter the RTSP port, default value is 554 for computer view.

Note : UPnP (Universal Plug and Play): UPnP is a set of computer network protocol. It allows devices to connect seamlessly and simplify the implementation of networks in the home and corporate environments.

Bonjour

Bonjour, also known as zero-configuration networking, enables automatic discovery of computers, devices, and services on IP networks. Bonjour uses industry standard IP protocols to allow devices to automatically discover each other without the need to enter IP addresses or configure DNS servers.

- **Device Name**: Enter Device Name you wish.

Note: How to use Bonjour in your Windows Browser UI? Please check the link below:

> **http://www.apple.com/support/downloads/bonjourforwindows.html**

DDNS

DDNS is a system which allows the domain name data held in a name server to be updated in real time. The most common use for DDNS is allowing an internet domain name to be assigned to a computer with a varying / dynamic IP Address. This makes it possible for other sites on the internet to establish connection to the machine without needing to track the IP Address themselves.

- **Server name**: Choose the DDNS Server from the list.
- **User ID**: Enter the user ID for authentication necessary for DDNS connections. Type it up to 64 characters.
- **Password**: Enter the password for authentication necessary for DDNS connections. Type it up to 32 characters.
- **Re-type password**: Re-type the password to confirm.
- **Host name**: Enter the host name that is registered to the DDNS server.
- **Periodical Update**: Update your DDNS information periodically.

Digital I/O

You can set Alarm Input and Output function in this menu to control the I / O port on the rear of the device linked to the alarm detection and the timer. Select open circuit and grounded circuit as your alarm.

LED

This is optional for user to select to show the LED indicator or not to as the Video Server is turned on.

System Log

Enable the remote log to let the log being saved in the remote server in case that the Video Server being cut down. Put on the server name and select the sever port and save it.